Item#s 145196, 145197, 145198, 145199, 145204

Beam Clamp

USER'S MANUAL

Assembly and Operation Instructions

MADE IN CHINA

Read carefully and understand all **ASSEMBLY AND OPERATION INSTRUCTIONS** before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

For technical questions and replacement parts, please call 1-800-222-5381.
Thank you very much for choosing a NORTHERN TOOL + EQUIPMENT Company, Inc., product!
For future reference, please complete the owner's record below:

Model: _____ Purchase Date: _____

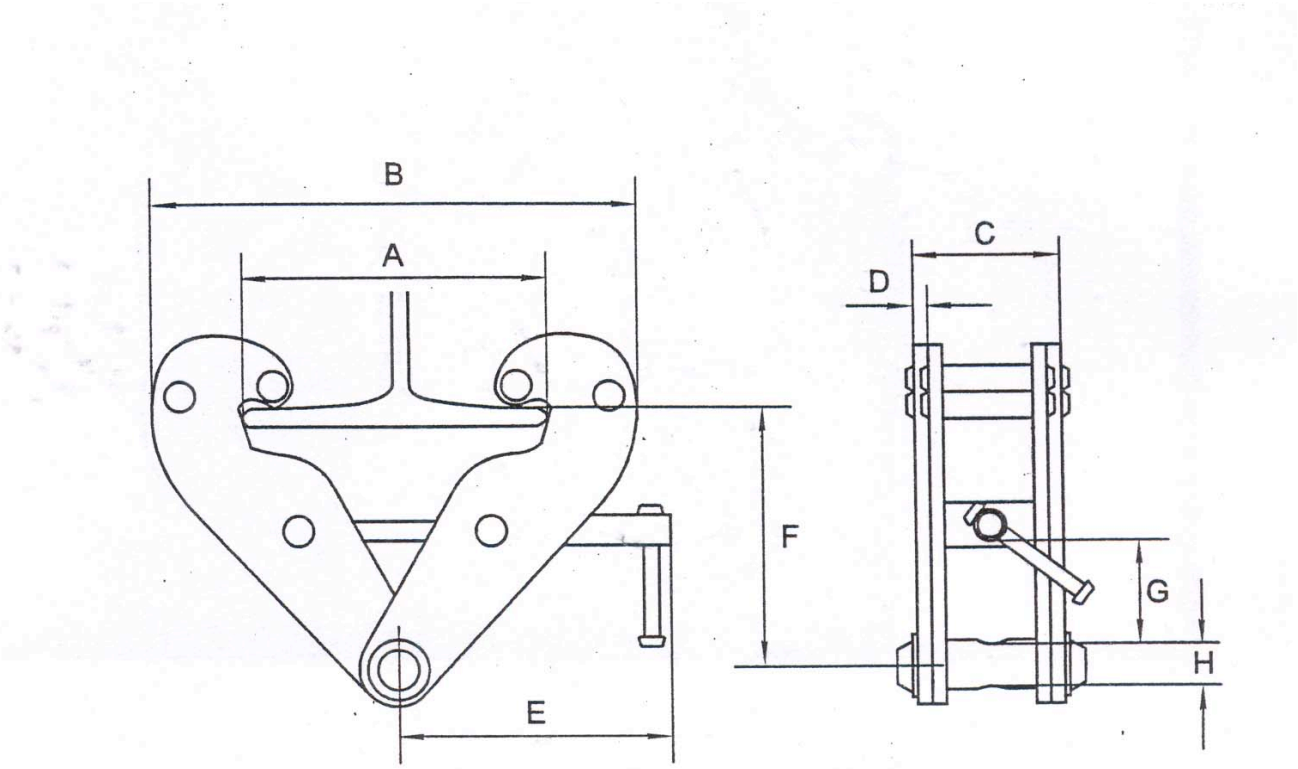
Save the receipt, warranty and these instructions. It is important that you read the entire manual to become familiar with this product before you begin using it.

This product is designed for certain applications only. Northern Tool + Equipment strongly recommends that this product is not modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use the product until you have first contacted Northern Tool + Equipment to determine if it can or should be performed on the product.

Before using this product, please read the following instructions carefully.

Technical Specifications

Max. working load (Ton)	Adjustable beam width (inch)	A Max in.	B		C in.	D in.	E in.	F		G Min in.	H in.
			Min in.	Max in.				Min in.	Max in.		
1	2-15/16"~8-5/8"	10-1/4"	7-1/16"	14-1/8"	2-1/2"	1/5"	8-1/2"	4"	6-1/8"	15/16"	7/8"
2	2-15/16"~8-5/8"	10-1/4"	7-1/16"	14-1/8"	2-15/16"	1/5"	8-1/2"	4"	6-1/8"	15/16"	7/8"
3	3-1/8"~13"	13-15/16"	9-1/4"	19-5/16"	4-1/16"	5/16"	10-1/4"	5-1/2"	8-7/8"	1-3/4"	15/16"
5	3/1/8"~13"	13-15/16"	9-1/4"	19-5/16"	4-3/8"	7/16"	10-1-4"	5-1/2"	8-7/8"	1-3/4"	1-1/8"
10	3-1/8"~13-3/4"	15-3/4"	9-7/8"	20-1/2"	4-3/4"	1/2"	11"	6-5/16"	9-1/16"	2-3/4"	1-3/4"



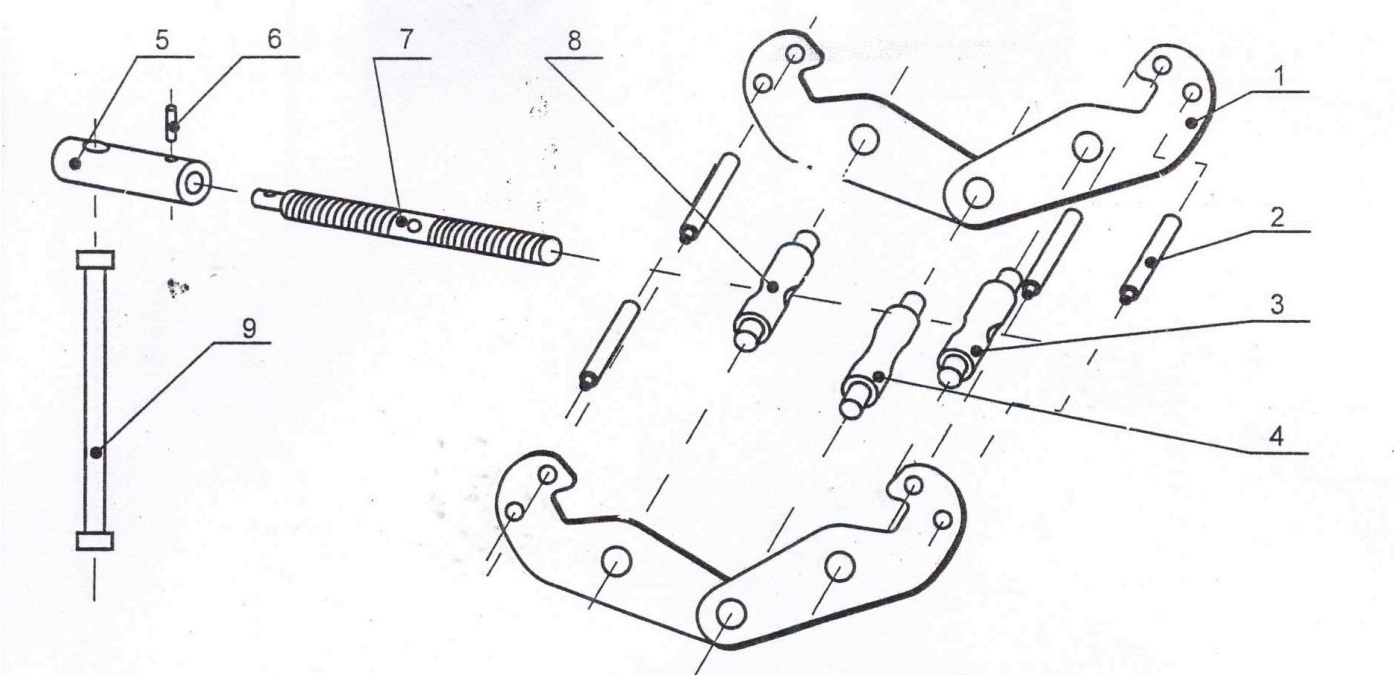
WARNINGS

1. Never modify the beam clamp unless the manufacturer has authorized the modification.
2. Never try to repair the beam clamp (such as welding it) without the authorization of the manufacturer or a trained maintenance agent.
3. Only qualified personnel should operate the hoist.
4. Never lift more than the maximum working load designated for the specific beam clamp.
5. Never remove the hook safety catches.
6. Never use the hoist to transport people or items not intended for clamp beam use.
8. Do not touch moving components.
9. Refrain from operating equipment if your physical condition does not allow it.
10. Never intentionally swing the load.
11. Do not subject the beam clamp to shocks loading.
12. Never distract the operator during hoist operation.
13. Do not use the beam clamp for a purpose or in an area for which it is not intended.
14. Do not expose the beam clamp to an inappropriate atmosphere.
15. Never transport a load with people nearby. Do not move the hook, with or without a load, over personnel.

SAFETY CHECKS

1. Handle the beam clamp by its structure or by the devices provided for this purpose.
2. The clamp should be installed only by a competent technician.
3. Use only original replacement parts that are compatible with the type of clamp being repaired.
4. Ensure the clamp is fitted correctly over the center of gravity of the item being lifted and will not be subjected to side loading.
5. Before lifting a load, ensure that the clamp has been tightened and that the lifting appliance is fitted correctly into the eye of the clamp.
6. Keep the beam clamp clean and all moving parts lubricated.
7. Regularly inspect beam clamps for wear, damage, distortion, cracks and defects likely to cause accidents. If any defects are found, remove the beam clamp from service and refer to a competent person.
9. Only an experienced operator should rig the use of several machines to move a single load. All the necessary precautions should be taken to carefully ensure the distribution of the loads and to avoid overloading a single machine. The machines should be carefully checked before such an operation.

Diagram



PART LIST

PART#	DESCRIPTION
1	Side Plate
2	Stay
3	Lever Thread Spindle
4	Equalizer Pin
5	Lever Handle Link Cover
6	Socket Head Cap Screw
7	Screw Mandrel
8	Dexter Thread Spindle
9	Handle